

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS



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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| EX 1-1 | B2G0130-01 | Soil | 07/08/02 14:00 | 07/08/02 15:15 |
| EX 1-2 | B2G0130-02 | Soil | 07/08/02 14:05 | 07/08/02 15:15 |
| SP 1-1 | B2G0130-03 | Soil | 07/08/02 14:10 | 07/08/02 15:15 |
| SP 1-2 | B2G0130-04 | Soil | 07/08/02 14:15 | 07/08/02 15:15 |

North Creek Analytical - Bothell

Jeff Gerdes, Project Manager

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Secor-Redmond
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Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-----------|----------|---------|----------|----------|----------|-------|
| EX 1-1 (B2G0130-01) Soil Sampled: 07/08/02 14:00 Received: 07/08/02 15:15 | | | | | | | | | |
| Mineral Oil Range Hydrocarbons | ND | 125 | mg/kg dry | 5 | 2G15021 | 07/15/02 | 07/17/02 | NWTPH-Dx | D-09 |
| Diesel Range Hydrocarbons | 79.6 | 50.0 | " | " | " | " | " | " | |
| Lube Oil Range Hydrocarbons | 274 | 125 | " | " | " | " | " | " | |
| Surrogate: 2-FBP | 79.6 % | 50-138 | | | " | " | " | " | |
| Surrogate: Octacosane | 87.7 % | 56-139 | | | " | " | " | " | |
| EX 1-2 (B2G0130-02) Soil Sampled: 07/08/02 14:05 Received: 07/08/02 15:15 | | | | | | | | | |
| Diesel Range Hydrocarbons | 73.5 | 20.0 | mg/kg dry | 2 | 2G15021 | 07/15/02 | 07/17/02 | NWTPH-Dx | D-09 |
| Lube Oil Range Hydrocarbons | 221 | 50.0 | " | " | " | " | " | " | |
| Surrogate: 2-FBP | 82.7 % | 50-138 | | | " | " | " | " | |
| Surrogate: Octacosane | 93.8 % | 56-139 | | | " | " | " | " | |
| SP 1-1 (B2G0130-03) Soil Sampled: 07/08/02 14:10 Received: 07/08/02 15:15 | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 50.0 | mg/kg dry | 5 | 2G15021 | 07/15/02 | 07/17/02 | NWTPH-Dx | |
| Lube Oil Range Hydrocarbons | 63.3 | 62.5 | " | " | " | " | " | " | |
| Surrogate: 2-FBP | 66.7 % | 50-138 | | | " | " | " | " | |
| Surrogate: Octacosane | 84.9 % | 56-139 | | | " | " | " | " | |
| SP 1-2 (B2G0130-04) Soil Sampled: 07/08/02 14:15 Received: 07/08/02 15:15 | | | | | | | | | |
| Diesel Range Hydrocarbons | 16.3 | 10.0 | mg/kg dry | 1 | 2G15021 | 07/15/02 | 07/17/02 | NWTPH-Dx | D-09 |
| Lube Oil Range Hydrocarbons | 45.4 | 25.0 | " | " | " | " | " | " | |
| Surrogate: 2-FBP | 80.4 % | 50-138 | | | " | " | " | " | |
| Surrogate: Octacosane | 87.2 % | 56-139 | | | " | " | " | " | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

EX 1-1 (B2G0130-01) Soil Sampled: 07/08/02 14:00 Received: 07/08/02 15:15

| | | | | | | | | | |
|----------|------|-------|-----------|---|---------|----------|----------|-----------|--|
| Silver | ND | 0.500 | mg/kg dry | 1 | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Arsenic | 2.85 | 0.500 | " | " | " | " | " | " | |
| Barium | 52.7 | 5.00 | " | " | " | " | " | " | |
| Cadmium | ND | 0.500 | " | " | " | " | " | " | |
| Chromium | 29.7 | 0.500 | " | " | " | " | " | " | |
| Mercury | ND | 0.200 | " | " | 2G12051 | 07/12/02 | 07/13/02 | EPA 7471A | |
| Lead | 8.10 | 0.500 | " | " | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Selenium | ND | 0.500 | " | " | " | " | " | " | |

EX 1-2 (B2G0130-02) Soil Sampled: 07/08/02 14:05 Received: 07/08/02 15:15

| | | | | | | | | | |
|----------|------|-------|-----------|---|---------|----------|----------|-----------|--|
| Silver | ND | 0.500 | mg/kg dry | 1 | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Arsenic | 2.96 | 0.500 | " | " | " | " | " | " | |
| Barium | 60.3 | 5.00 | " | " | " | " | " | " | |
| Cadmium | ND | 0.500 | " | " | " | " | " | " | |
| Chromium | 31.5 | 0.500 | " | " | " | " | " | " | |
| Mercury | ND | 0.200 | " | " | 2G12051 | 07/12/02 | 07/13/02 | EPA 7471A | |
| Lead | 7.05 | 0.500 | " | " | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Selenium | ND | 0.500 | " | " | " | " | " | " | |

SP 1-1 (B2G0130-03) Soil Sampled: 07/08/02 14:10 Received: 07/08/02 15:15

| | | | | | | | | | |
|----------|------|-------|-----------|---|---------|----------|----------|-----------|--|
| Silver | ND | 0.500 | mg/kg dry | 1 | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Arsenic | 2.83 | 0.500 | " | " | " | " | " | " | |
| Barium | 50.6 | 5.00 | " | " | " | " | " | " | |
| Cadmium | 1.41 | 0.500 | " | " | " | " | " | " | |
| Chromium | 36.1 | 0.500 | " | " | " | " | " | " | |
| Mercury | ND | 0.200 | " | " | 2G12051 | 07/12/02 | 07/13/02 | EPA 7471A | |
| Lead | 4.23 | 0.500 | " | " | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Selenium | ND | 0.500 | " | " | " | " | " | " | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP 1-2 (B2G0130-04) Soil Sampled: 07/08/02 14:15 Received: 07/08/02 15:15 | | | | | | | | | |
| Silver | ND | 0.500 | mg/kg dry | 1 | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Arsenic | 2.83 | 0.500 | " | " | " | " | " | " | |
| Barium | 56.2 | 5.00 | " | " | " | " | " | " | |
| Cadmium | ND | 0.500 | " | " | " | " | " | " | |
| Chromium | 33.6 | 0.500 | " | " | " | " | 07/16/02 | " | |
| Mercury | ND | 0.200 | " | " | 2G12051 | 07/12/02 | 07/13/02 | EPA 7471A | |
| Lead | 3.69 | 0.500 | " | " | 2G12017 | 07/12/02 | 07/15/02 | EPA 6020 | |
| Selenium | ND | 0.500 | " | " | " | " | " | " | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| EX 1-1 (B2G0130-01) Soil Sampled: 07/08/02 14:00 Received: 07/08/02 15:15 | | | | | | | | | |
| Aldrin | ND | 1.00 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/18/02 | EPA 8081A | |
| alpha-BHC | ND | 1.00 | " | " | " | " | " | " | |
| beta-BHC | ND | 2.00 | " | " | " | " | " | " | |
| delta-BHC | ND | 1.00 | " | " | " | " | " | " | |
| gamma-BHC (Lindane) | ND | 1.00 | " | " | " | " | " | " | |
| Chlordane (tech) | ND | 10.0 | " | " | " | " | " | " | |
| alpha-Chlordane | ND | 1.00 | " | " | " | " | " | " | |
| gamma-Chlordane | ND | 1.00 | " | " | " | " | " | " | |
| 4,4'-DDD | ND | 2.00 | " | " | " | " | " | " | |
| 4,4'-DDE | ND | 2.00 | " | " | " | " | " | " | |
| 4,4'-DDT | ND | 2.00 | " | " | " | " | " | " | |
| Dieldrin | ND | 2.00 | " | " | " | " | " | " | |
| Endosulfan I | ND | 1.00 | " | " | " | " | " | " | |
| Endosulfan II | ND | 2.00 | " | " | " | " | " | " | |
| Endosulfan sulfate | ND | 2.00 | " | " | " | " | " | " | |
| Endrin | ND | 2.00 | " | " | " | " | " | " | |
| Endrin aldehyde | ND | 2.00 | " | " | " | " | " | " | |
| Endrin ketone | ND | 2.00 | " | " | " | " | " | " | |
| Heptachlor | ND | 1.00 | " | " | " | " | " | " | |
| Heptachlor epoxide | ND | 1.00 | " | " | " | " | " | " | |
| Methoxychlor | ND | 10.0 | " | " | " | " | " | " | |
| Toxaphene | ND | 50.0 | " | " | " | " | " | " | |
| Surrogate: TCX | 64.6 % | 28-128 | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 68.8 % | 29-141 | | | " | " | " | " | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A
North Creek Analytical - Bothell

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------|-----------|-------|----------|----------|----------|-----------|--------|-------|
| | | Limit | | | | | | | | |
| EX 1-2 (B2G0130-02) Soil Sampled: 07/08/02 14:05 Received: 07/08/02 15:15 | | | | | | | | | | |
| Aldrin | ND | 1.00 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/18/02 | EPA 8081A | | |
| alpha-BHC | ND | 1.00 | " | " | " | " | " | " | | |
| beta-BHC | ND | 2.00 | " | " | " | " | " | " | | |
| delta-BHC | ND | 1.00 | " | " | " | " | " | " | | |
| gamma-BHC (Lindane) | ND | 1.00 | " | " | " | " | " | " | | |
| Chlordane (tech) | ND | 10.0 | " | " | " | " | " | " | | |
| alpha-Chlordane | ND | 1.00 | " | " | " | " | " | " | | |
| gamma-Chlordane | ND | 1.00 | " | " | " | " | " | " | | |
| 4,4'-DDD | ND | 2.00 | " | " | " | " | " | " | | |
| 4,4'-DDE | ND | 2.00 | " | " | " | " | " | " | | |
| 4,4'-DDT | ND | 2.00 | " | " | " | " | " | " | | |
| Dieldrin | ND | 2.00 | " | " | " | " | " | " | | |
| Endosulfan I | ND | 1.00 | " | " | " | " | " | " | | |
| Endosulfan II | ND | 2.00 | " | " | " | " | " | " | | |
| Endosulfan sulfate | ND | 2.00 | " | " | " | " | " | " | | |
| Endrin | ND | 2.00 | " | " | " | " | " | " | | |
| Endrin aldehyde | ND | 2.00 | " | " | " | " | " | " | | |
| Endrin ketone | ND | 2.00 | " | " | " | " | " | " | | |
| Heptachlor | ND | 1.00 | " | " | " | " | " | " | | |
| Heptachlor epoxide | ND | 1.00 | " | " | " | " | " | " | | |
| Methoxychlor | ND | 10.0 | " | " | " | " | " | " | | |
| Toxaphene | ND | 50.0 | " | " | " | " | " | " | | |
| Surrogate: TCX | 61.7 % | 28-128 | | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 73.3 % | 29-141 | | | | " | " | " | " | |

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Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP 1-1 (B2G0130-03) Soil Sampled: 07/08/02 14:10 Received: 07/08/02 15:15 | | | | | | | | | |
| Aldrin | ND | 1.00 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/18/02 | EPA 8081A | |
| alpha-BHC | ND | 1.00 | " | " | " | " | " | " | |
| beta-BHC | ND | 2.00 | " | " | " | " | " | " | |
| delta-BHC | ND | 1.00 | " | " | " | " | " | " | |
| gamma-BHC (Lindane) | ND | 1.00 | " | " | " | " | " | " | |
| Chlordane (tech) | ND | 10.0 | " | " | " | " | " | " | |
| alpha-Chlordane | ND | 1.00 | " | " | " | " | " | " | |
| gamma-Chlordane | ND | 1.00 | " | " | " | " | " | " | |
| 4,4'-DDD | ND | 2.00 | " | " | " | " | " | " | |
| 4,4'-DDE | ND | 2.00 | " | " | " | " | " | " | |
| 4,4'-DDT | ND | 2.00 | " | " | " | " | " | " | |
| Dieldrin | ND | 2.00 | " | " | " | " | " | " | |
| Endosulfan I | ND | 1.00 | " | " | " | " | " | " | |
| Endosulfan II | ND | 2.00 | " | " | " | " | " | " | |
| Endosulfan sulfate | ND | 2.00 | " | " | " | " | " | " | |
| Endrin | ND | 2.00 | " | " | " | " | " | " | |
| Endrin aldehyde | ND | 2.00 | " | " | " | " | " | " | |
| Endrin ketone | ND | 2.00 | " | " | " | " | " | " | |
| Heptachlor | ND | 1.00 | " | " | " | " | " | " | |
| Heptachlor epoxide | ND | 1.00 | " | " | " | " | " | " | |
| Methoxychlor | ND | 10.0 | " | " | " | " | " | " | |
| Toxaphene | ND | 50.0 | " | " | " | " | " | " | |
| Surrogate: TCX | 66.0 % | 28-128 | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 77.5 % | 29-141 | | | " | " | " | " | |

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Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP 1-2 (B2G0130-04) Soil Sampled: 07/08/02 14:15 Received: 07/08/02 15:15 | | | | | | | | | |
| Aldrin | ND | 1.00 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/18/02 | EPA 8081A | |
| alpha-BHC | ND | 1.00 | " | " | " | " | " | " | |
| beta-BHC | ND | 2.00 | " | " | " | " | " | " | |
| delta-BHC | ND | 1.00 | " | " | " | " | " | " | |
| gamma-BHC (Lindane) | ND | 1.00 | " | " | " | " | " | " | |
| Chlordane (tech) | ND | 10.0 | " | " | " | " | " | " | |
| alpha-Chlordane | ND | 1.00 | " | " | " | " | " | " | |
| gamma-Chlordane | ND | 1.00 | " | " | " | " | " | " | |
| 4,4'-DDD | ND | 2.00 | " | " | " | " | " | " | |
| 4,4'-DDE | ND | 2.00 | " | " | " | " | " | " | |
| 4,4'-DDT | ND | 2.00 | " | " | " | " | " | " | |
| Dieldrin | ND | 2.00 | " | " | " | " | " | " | |
| Endosulfan I | ND | 1.00 | " | " | " | " | " | " | |
| Endosulfan II | ND | 2.00 | " | " | " | " | " | " | |
| Endosulfan sulfate | ND | 2.00 | " | " | " | " | " | " | |
| Endrin | ND | 2.00 | " | " | " | " | " | " | |
| Endrin aldehyde | ND | 2.00 | " | " | " | " | " | " | |
| Endrin ketone | ND | 2.00 | " | " | " | " | " | " | |
| Heptachlor | ND | 1.00 | " | " | " | " | " | " | |
| Heptachlor epoxide | ND | 1.00 | " | " | " | " | " | " | |
| Methoxychlor | ND | 10.0 | " | " | " | " | " | " | |
| Toxaphene | ND | 50.0 | " | " | " | " | " | " | |
| Surrogate: TCX | 67.6 % | 28-128 | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 81.2 % | 29-141 | | | " | " | " | " | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|-----------------|-----------|----------|---------|----------|----------|----------|-------|
| EX 1-1 (B2G0130-01) Soil Sampled: 07/08/02 14:00 Received: 07/08/02 15:15 | | | | | | | | | |
| Aroclor 1016 | ND | 25.0 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/14/02 | EPA 8082 | |
| Aroclor 1221 | ND | 50.0 | " | " | " | " | " | " | |
| Aroclor 1232 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1242 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1248 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1254 | 42.8 | 25.0 | " | " | " | " | " | " | |
| Aroclor 1260 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1262 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1268 | ND | 25.0 | " | " | " | " | " | " | |
| Surrogate: TCX | 75.9 % | 49-114 | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 64.7 % | 55-143 | | | " | " | " | " | |

| | | | | | | | | | |
|--|-------------|--------|-----------|---|---------|----------|----------|----------|--|
| EX 1-2 (B2G0130-02) Soil Sampled: 07/08/02 14:05 Received: 07/08/02 15:15 | | | | | | | | | |
| Aroclor 1016 | ND | 25.0 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/14/02 | EPA 8082 | |
| Aroclor 1221 | ND | 50.0 | " | " | " | " | " | " | |
| Aroclor 1232 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1242 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1248 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1254 | 42.9 | 25.0 | " | " | " | " | " | " | |
| Aroclor 1260 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1262 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1268 | ND | 25.0 | " | " | " | " | " | " | |
| Surrogate: TCX | 70.5 % | 49-114 | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 70.0 % | 55-143 | | | " | " | " | " | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-----------|----------|---------|----------|----------|----------|-------|
| SP 1-1 (B2G0130-03) Soil Sampled: 07/08/02 14:10 Received: 07/08/02 15:15 | | | | | | | | | |
| Aroclor 1016 | ND | 25.0 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/14/02 | EPA 8082 | |
| Aroclor 1221 | ND | 50.0 | " | " | " | " | " | " | |
| Aroclor 1232 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1242 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1248 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1254 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1260 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1262 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1268 | ND | 25.0 | " | " | " | " | " | " | |
| Surrogate: TCX | 78.5 % | 49-114 | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 67.0 % | 55-143 | | | " | " | " | " | |

SP 1-2 (B2G0130-04) Soil Sampled: 07/08/02 14:15 Received: 07/08/02 15:15

| | | | | | | | | | |
|-------------------------------|--------|--------|-----------|---|---------|----------|----------|----------|--|
| Aroclor 1016 | ND | 25.0 | ug/kg dry | 1 | 2G11024 | 07/11/02 | 07/14/02 | EPA 8082 | |
| Aroclor 1221 | ND | 50.0 | " | " | " | " | " | " | |
| Aroclor 1232 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1242 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1248 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1254 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1260 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1262 | ND | 25.0 | " | " | " | " | " | " | |
| Aroclor 1268 | ND | 25.0 | " | " | " | " | " | " | |
| Surrogate: TCX | 73.1 % | 49-114 | | | " | " | " | " | |
| Surrogate: Decachlorobiphenyl | 70.2 % | 55-143 | | | " | " | " | " | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| EX 1-1 (B2G0130-01) Soil Sampled: 07/08/02 14:00 Received: 07/08/02 15:15 | | | | | | | | | |
| Dry Weight | 93.8 | 1.00 | % | 1 | 2G17012 | 07/17/02 | 07/18/02 | BSOPSPL003R07 | |
| EX 1-2 (B2G0130-02) Soil Sampled: 07/08/02 14:05 Received: 07/08/02 15:15 | | | | | | | | | |
| Dry Weight | 93.0 | 1.00 | % | 1 | 2G17012 | 07/17/02 | 07/18/02 | BSOPSPL003R07 | |
| SP 1-1 (B2G0130-03) Soil Sampled: 07/08/02 14:10 Received: 07/08/02 15:15 | | | | | | | | | |
| Dry Weight | 93.8 | 1.00 | % | 1 | 2G17012 | 07/17/02 | 07/18/02 | BSOPSPL003R07 | |
| SP 1-2 (B2G0130-04) Soil Sampled: 07/08/02 14:15 Received: 07/08/02 15:15 | | | | | | | | | |
| Dry Weight | 94.7 | 1.00 | % | 1 | 2G17012 | 07/17/02 | 07/18/02 | BSOPSPL003R07 | |

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541.383.9310 fax 541.382.7588

Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|

Batch 2G15021: Prepared 07/15/02 Using EPA 3550B

Blank (2G15021-BLK1)

| | | | | | | | | | |
|--------------------------------|----|------|-------|--|--|--|--|--|--|
| Mineral Oil Range Hydrocarbons | ND | 25.0 | mg/kg | | | | | | |
| Diesel Range Hydrocarbons | ND | 10.0 | " | | | | | | |
| Lube Oil Range Hydrocarbons | ND | 25.0 | " | | | | | | |

| | | | | | | | | | |
|-----------------------|------|--|---|------|--|------|--------|--|--|
| Surrogate: 2-FBP | 10.6 | | " | 10.7 | | 99.1 | 50-138 | | |
| Surrogate: Octacosane | 10.3 | | " | 10.7 | | 96.3 | 56-139 | | |

LCS (2G15021-BS1)

| | | | | | | | | | |
|---------------------------|------|------|-------|------|--|------|--------|--|--|
| Diesel Range Hydrocarbons | 59.1 | 10.0 | mg/kg | 66.7 | | 88.6 | 72-120 | | |
| Surrogate: 2-FBP | 10.1 | | " | 10.7 | | 94.4 | 50-138 | | |

LCS Dup (2G15021-BSD1)

| | | | | | | | | | |
|---------------------------|------|------|-------|------|--|------|--------|------|----|
| Diesel Range Hydrocarbons | 57.4 | 10.0 | mg/kg | 66.7 | | 86.1 | 72-120 | 2.92 | 40 |
| Surrogate: 2-FBP | 10.5 | | " | 10.7 | | 98.1 | 50-138 | | |

Duplicate (2G15021-DUP1)

Source: B2G0130-01

| | | | | | | | | | |
|--------------------------------|------|------|-----------|------|------|------|--------|------|----|
| Mineral Oil Range Hydrocarbons | ND | 125 | mg/kg dry | | ND | | | NA | 50 |
| Diesel Range Hydrocarbons | 97.2 | 50.0 | " | | 79.6 | | | 19.9 | 40 |
| Lube Oil Range Hydrocarbons | 328 | 125 | " | | 274 | | | 17.9 | 40 |
| Surrogate: 2-FBP | 8.94 | | " | 11.4 | | 78.4 | 50-138 | | |
| Surrogate: Octacosane | 13.3 | | " | 11.4 | | 117 | 56-139 | | |

North Creek Analytical - Bothell

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2G12017: Prepared 07/12/02 Using EPA 3050B

Blank (2G12017-BLK1)

| | | | | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.500 | mg/kg | | | | | | | |
| Barium | ND | 5.00 | " | | | | | | | |
| Cadmium | ND | 0.500 | " | | | | | | | |
| Chromium | ND | 0.500 | " | | | | | | | |
| Lead | ND | 0.500 | " | | | | | | | |
| Selenium | ND | 0.500 | " | | | | | | | |
| Silver | ND | 0.500 | " | | | | | | | |

LCS (2G12017-BS1)

| | | | | | | | | | | |
|----------|------|-------|-------|------|--|-----|--------|--|--|--|
| Arsenic | 44.1 | 0.500 | mg/kg | 41.2 | | 107 | 70-130 | | | |
| Barium | 43.6 | 5.00 | " | 41.2 | | 106 | 80-120 | | | |
| Cadmium | 44.1 | 0.500 | " | 41.2 | | 107 | 70-130 | | | |
| Chromium | 42.7 | 0.500 | " | 41.2 | | 104 | 80-120 | | | |
| Lead | 43.4 | 0.500 | " | 41.2 | | 105 | 80-120 | | | |
| Selenium | 44.1 | 0.500 | " | 41.2 | | 107 | 70-130 | | | |
| Silver | 42.9 | 0.500 | " | 41.2 | | 104 | 40-130 | | | |

LCS Dup (2G12017-BSD1)

| | | | | | | | | | | |
|----------|------|-------|-------|------|--|-----|--------|-------|----|--|
| Arsenic | 44.5 | 0.500 | mg/kg | 42.6 | | 104 | 70-130 | 0.903 | 20 | |
| Barium | 43.9 | 5.00 | " | 42.6 | | 103 | 80-120 | 0.686 | 20 | |
| Cadmium | 44.1 | 0.500 | " | 42.6 | | 104 | 70-130 | 0.00 | 20 | |
| Chromium | 42.6 | 0.500 | " | 42.6 | | 100 | 80-120 | 0.234 | 20 | |
| Lead | 43.5 | 0.500 | " | 42.6 | | 102 | 80-120 | 0.230 | 20 | |
| Selenium | 44.6 | 0.500 | " | 42.6 | | 105 | 70-130 | 1.13 | 20 | |
| Silver | 42.8 | 0.500 | " | 42.6 | | 100 | 40-130 | 0.233 | 20 | |

Matrix Spike (2G12017-MS1)

Source: B2G0130-01

| | | | | | | | | | | |
|----------|------|-------|-----------|------|------|------|--------|--|--|--|
| Arsenic | 47.3 | 0.500 | mg/kg dry | 44.4 | 2.85 | 100 | 70-130 | | | |
| Barium | 95.9 | 5.00 | " | 44.4 | 52.7 | 97.3 | 70-130 | | | |
| Cadmium | 46.0 | 0.500 | " | 44.4 | ND | 103 | 70-130 | | | |
| Chromium | 80.9 | 0.500 | " | 44.4 | 29.7 | 115 | 70-130 | | | |
| Lead | 56.0 | 0.500 | " | 44.4 | 8.10 | 108 | 70-130 | | | |
| Selenium | 44.3 | 0.500 | " | 44.4 | ND | 99.8 | 70-130 | | | |
| Silver | 35.4 | 0.500 | " | 44.4 | ND | 78.8 | 40-130 | | | |

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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2G12017: Prepared 07/12/02 Using EPA 3050B

Matrix Spike Dup (2G12017-MSD1)

Source: B2G0130-01

| | | | | | | | | | | |
|----------|------|-------|-----------|------|------|------|--------|-------|----|--|
| Arsenic | 49.0 | 0.500 | mg/kg dry | 44.9 | 2.85 | 103 | 70-130 | 3.53 | 20 | |
| Barium | 96.8 | 5.00 | " | 44.9 | 52.7 | 98.2 | 70-130 | 0.934 | 20 | |
| Cadmium | 48.0 | 0.500 | " | 44.9 | ND | 107 | 70-130 | 4.26 | 20 | |
| Chromium | 77.4 | 0.500 | " | 44.9 | 29.7 | 106 | 70-130 | 4.42 | 20 | |
| Lead | 59.2 | 0.500 | " | 44.9 | 8.10 | 114 | 70-130 | 5.56 | 20 | |
| Selenium | 45.9 | 0.500 | " | 44.9 | ND | 102 | 70-130 | 3.55 | 20 | |
| Silver | 37.3 | 0.500 | " | 44.9 | ND | 82.2 | 40-130 | 5.23 | 50 | |

Post Spike (2G12017-PS1)

Source: B2G0130-01

| | | | | | | | | | | |
|----------|-----|-------|-----------|-----|------|------|--------|--|--|--|
| Arsenic | 120 | 0.500 | mg/kg dry | 113 | 2.85 | 104 | 75-125 | | | |
| Barium | 167 | 5.00 | " | 113 | 52.7 | 101 | 75-125 | | | |
| Cadmium | 117 | 0.500 | " | 113 | ND | 103 | 75-125 | | | |
| Chromium | 141 | 0.500 | " | 113 | 29.7 | 98.5 | 75-125 | | | |
| Lead | 122 | 0.500 | " | 113 | 8.10 | 101 | 75-125 | | | |
| Selenium | 117 | 0.500 | " | 113 | ND | 104 | 75-125 | | | |
| Silver | 113 | 0.500 | " | 113 | ND | 99.7 | 75-125 | | | |

Batch 2G12051: Prepared 07/12/02 Using EPA 7471A

Blank (2G12051-BLK1)

| | | | | | | | | | | |
|---------|----|-------|-------|--|--|--|--|--|--|--|
| Mercury | ND | 0.200 | mg/kg | | | | | | | |
|---------|----|-------|-------|--|--|--|--|--|--|--|

LCS (2G12051-BS1)

| | | | | | | | | | | |
|---------|-------|-------|-------|-------|--|-----|--------|--|--|--|
| Mercury | 0.497 | 0.200 | mg/kg | 0.493 | | 101 | 92-120 | | | |
|---------|-------|-------|-------|-------|--|-----|--------|--|--|--|

LCS Dup (2G12051-BSD1)

| | | | | | | | | | | |
|---------|-------|-------|-------|-------|--|-----|--------|------|----|--|
| Mercury | 0.489 | 0.200 | mg/kg | 0.485 | | 101 | 92-120 | 1.62 | 20 | |
|---------|-------|-------|-------|-------|--|-----|--------|------|----|--|

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PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2G12051: Prepared 07/12/02 Using EPA 7471A

Matrix Spike (2G12051-MS1)

Source: B2G0130-01

| | | | | | | | | | | |
|---------|-------|-------|-----------|-------|----|-----|--------|--|--|--|
| Mercury | 0.561 | 0.200 | mg/kg dry | 0.515 | ND | 109 | 70-130 | | | |
|---------|-------|-------|-----------|-------|----|-----|--------|--|--|--|

Matrix Spike Dup (2G12051-MSD1)

Source: B2G0130-01

| | | | | | | | | | | |
|---------|-------|-------|-----------|-------|----|-----|--------|------|----|--|
| Mercury | 0.544 | 0.200 | mg/kg dry | 0.528 | ND | 103 | 70-130 | 3.08 | 30 | |
|---------|-------|-------|-----------|-------|----|-----|--------|------|----|--|

North Creek Analytical - Bothell

Jeff Gerdes, Project Manager

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541.383.9310 fax 541.382.7588

Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2G11024: Prepared 07/11/02 Using EPA 3550B

Blank (2G11024-BLK1)

| | | | |
|---------------------|----|------|-------|
| Aldrin | ND | 1.00 | ug/kg |
| alpha-BHC | ND | 1.00 | " |
| beta-BHC | ND | 2.00 | " |
| delta-BHC | ND | 1.00 | " |
| gamma-BHC (Lindane) | ND | 1.00 | " |
| Chlordane (tech) | ND | 10.0 | " |
| alpha-Chlordane | ND | 1.00 | " |
| gamma-Chlordane | ND | 1.00 | " |
| 4,4'-DDD | ND | 2.00 | " |
| 4,4'-DDE | ND | 2.00 | " |
| 4,4'-DDT | ND | 2.00 | " |
| Dieldrin | ND | 2.00 | " |
| Endosulfan I | ND | 1.00 | " |
| Endosulfan II | ND | 2.00 | " |
| Endosulfan sulfate | ND | 2.00 | " |
| Endrin | ND | 2.00 | " |
| Endrin aldehyde | ND | 2.00 | " |
| Endrin ketone | ND | 2.00 | " |
| Heptachlor | ND | 1.00 | " |
| Heptachlor epoxide | ND | 1.00 | " |
| Methoxychlor | ND | 10.0 | " |
| Toxaphene | ND | 50.0 | " |

| | | | | | |
|-------------------------------|------|---|------|------|--------|
| Surrogate: TCX | 4.26 | " | 6.67 | 63.9 | 28-128 |
| Surrogate: Decachlorobiphenyl | 5.30 | " | 6.67 | 79.5 | 29-141 |

LCS (2G11024-BS1)

| | | | | | | |
|---------------------|------|------|-------|------|------|--------|
| Aldrin | 6.27 | 1.00 | ug/kg | 8.33 | 75.3 | 40-122 |
| alpha-BHC | 7.75 | 1.00 | " | 8.33 | 93.0 | 40-160 |
| beta-BHC | 6.39 | 2.00 | " | 8.33 | 76.7 | 40-160 |
| delta-BHC | 5.45 | 1.00 | " | 8.33 | 65.4 | 40-160 |
| gamma-BHC (Lindane) | 6.70 | 1.00 | " | 8.33 | 80.4 | 38-125 |
| 4,4'-DDD | 7.40 | 2.00 | " | 8.33 | 88.8 | 40-160 |
| 4,4'-DDE | 7.16 | 2.00 | " | 8.33 | 86.0 | 40-160 |
| 4,4'-DDT | 7.82 | 2.00 | " | 8.33 | 93.9 | 40-160 |
| Dieldrin | 6.72 | 2.00 | " | 8.33 | 80.7 | 40-160 |

North Creek Analytical - Bothell

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Environmental Laboratory Network

Page 16 of 22



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Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2G11024: Prepared 07/11/02 Using EPA 3550B

LCS (2G11024-BS1)

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|------|--------|--|--|------|
| Endosulfan I | 6.34 | 1.00 | ug/kg | 8.33 | | 76.1 | 40-160 | | | |
| Endosulfan II | 7.12 | 2.00 | " | 8.33 | | 85.5 | 40-160 | | | |
| Endosulfan sulfate | 6.09 | 2.00 | " | 8.33 | | 73.1 | 40-160 | | | |
| Endrin | 8.07 | 2.00 | " | 8.33 | | 96.9 | 40-160 | | | |
| Endrin aldehyde | 3.29 | 2.00 | " | 8.33 | | 39.5 | 40-160 | | | A-01 |
| Heptachlor | 7.11 | 1.00 | " | 8.33 | | 85.4 | 47-132 | | | |
| Heptachlor epoxide | 6.46 | 1.00 | " | 8.33 | | 77.6 | 40-160 | | | |
| Methoxychlor | ND | 10.0 | " | 8.33 | | 96.4 | 40-160 | | | |
| Surrogate: TCX | 4.73 | | " | 6.67 | | 70.9 | 28-128 | | | |
| Surrogate: Decachlorobiphenyl | 6.05 | | " | 6.67 | | 90.7 | 29-141 | | | |

LCS Dup (2G11024-BSD1)

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|------|--------|------|----|--|
| Aldrin | 6.43 | 1.00 | ug/kg | 8.33 | | 77.2 | 40-122 | 2.52 | 30 | |
| alpha-BHC | 6.86 | 1.00 | " | 8.33 | | 82.4 | 40-160 | 12.2 | 35 | |
| beta-BHC | 6.57 | 2.00 | " | 8.33 | | 78.9 | 40-160 | 2.78 | 35 | |
| delta-BHC | 5.72 | 1.00 | " | 8.33 | | 68.7 | 40-160 | 4.83 | 35 | |
| gamma-BHC (Lindane) | 6.80 | 1.00 | " | 8.33 | | 81.6 | 38-125 | 1.48 | 30 | |
| 4,4'-DDD | 7.50 | 2.00 | " | 8.33 | | 90.0 | 40-160 | 1.34 | 35 | |
| 4,4'-DDE | 7.25 | 2.00 | " | 8.33 | | 87.0 | 40-160 | 1.25 | 35 | |
| 4,4'-DDT | 7.94 | 2.00 | " | 8.33 | | 95.3 | 40-160 | 1.52 | 35 | |
| Dieldrin | 6.86 | 2.00 | " | 8.33 | | 82.4 | 40-160 | 2.06 | 35 | |
| Endosulfan I | 6.50 | 1.00 | " | 8.33 | | 78.0 | 40-160 | 2.49 | 35 | |
| Endosulfan II | 7.37 | 2.00 | " | 8.33 | | 88.5 | 40-160 | 3.45 | 35 | |
| Endosulfan sulfate | 6.40 | 2.00 | " | 8.33 | | 76.8 | 40-160 | 4.96 | 35 | |
| Endrin | 8.21 | 2.00 | " | 8.33 | | 98.6 | 40-160 | 1.72 | 35 | |
| Endrin aldehyde | 3.65 | 2.00 | " | 8.33 | | 43.8 | 40-160 | 10.4 | 35 | |
| Heptachlor | 7.26 | 1.00 | " | 8.33 | | 87.2 | 47-132 | 2.09 | 30 | |
| Heptachlor epoxide | 6.60 | 1.00 | " | 8.33 | | 79.2 | 40-160 | 2.14 | 35 | |
| Methoxychlor | ND | 10.0 | " | 8.33 | | 97.8 | 40-160 | 1.48 | 35 | |
| Surrogate: TCX | 5.01 | | " | 6.67 | | 75.1 | 28-128 | | | |
| Surrogate: Decachlorobiphenyl | 5.83 | | " | 6.67 | | 87.4 | 29-141 | | | |

North Creek Analytical - Bothell

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Environmental Laboratory Network

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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 2G11024: Prepared 07/11/02 Using EPA 3550B

Matrix Spike (2G11024-MS1)

Source: B2G0130-01

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|----|------|--------|----|--|--|
| Aldrin | 5.96 | 1.00 | ug/kg dry | 8.88 | ND | 67.1 | 32-130 | | | |
| alpha-BHC | 6.98 | 1.00 | " | 8.88 | ND | 78.6 | 30-150 | | | |
| beta-BHC | 6.27 | 2.00 | " | 8.88 | ND | 70.6 | 30-150 | | | |
| delta-BHC | 5.00 | 1.00 | " | 8.88 | ND | 56.3 | 30-150 | | | |
| gamma-BHC (Lindane) | 6.50 | 1.00 | " | 8.88 | ND | 73.2 | 31-120 | | | |
| 4,4'-DDD | 8.25 | 2.00 | " | 8.88 | ND | 92.9 | 30-150 | | | |
| 4,4'-DDE | 7.61 | 2.00 | " | 8.88 | ND | 85.7 | 30-150 | | | |
| 4,4'-DDT | 10.6 | 2.00 | " | 8.88 | ND | 119 | 30-150 | | | |
| Dieldrin | 6.46 | 2.00 | " | 8.88 | ND | 72.7 | 30-150 | | | |
| Endosulfan I | 5.85 | 1.00 | " | 8.88 | ND | 65.9 | 30-150 | | | |
| Endosulfan II | 6.33 | 2.00 | " | 8.88 | ND | 71.3 | 30-150 | | | |
| Endosulfan sulfate | 5.69 | 2.00 | " | 8.88 | ND | 64.1 | 30-150 | | | |
| Endrin | 7.81 | 2.00 | " | 8.88 | ND | 88.0 | 30-150 | | | |
| Endrin aldehyde | 4.54 | 2.00 | " | 8.88 | ND | 51.1 | 30-150 | | | |
| Heptachlor | 7.11 | 1.00 | " | 8.88 | ND | 80.1 | 40-129 | | | |
| Heptachlor epoxide | 6.02 | 1.00 | " | 8.88 | ND | 67.8 | 30-150 | | | |
| Methoxychlor | ND | 10.0 | " | 8.88 | ND | 93.1 | 30-150 | NA | | |
| Surrogate: TCX | 4.99 | | " | 7.11 | | 70.2 | 28-128 | | | |
| Surrogate: Decachlorobiphenyl | 5.33 | | " | 7.11 | | 75.0 | 29-141 | | | |

Matrix Spike Dup (2G11024-MSD1)

Source: B2G0130-01

| | | | | | | | | | | |
|---------------------|------|------|-----------|------|----|------|--------|------|----|--|
| Aldrin | 5.76 | 1.00 | ug/kg dry | 8.88 | ND | 64.9 | 32-130 | 3.41 | 35 | |
| alpha-BHC | 8.54 | 1.00 | " | 8.88 | ND | 96.2 | 30-150 | 20.1 | 35 | |
| beta-BHC | 6.07 | 2.00 | " | 8.88 | ND | 68.4 | 30-150 | 3.24 | 35 | |
| delta-BHC | 4.78 | 1.00 | " | 8.88 | ND | 53.8 | 30-150 | 4.50 | 35 | |
| gamma-BHC (Lindane) | 6.27 | 1.00 | " | 8.88 | ND | 70.6 | 31-120 | 3.60 | 35 | |
| 4,4'-DDD | 7.44 | 2.00 | " | 8.88 | ND | 83.8 | 30-150 | 10.3 | 35 | |
| 4,4'-DDE | 7.06 | 2.00 | " | 8.88 | ND | 79.5 | 30-150 | 7.50 | 35 | |
| 4,4'-DDT | 9.43 | 2.00 | " | 8.88 | ND | 106 | 30-150 | 11.7 | 35 | |
| Dieldrin | 6.06 | 2.00 | " | 8.88 | ND | 68.2 | 30-150 | 6.39 | 35 | |
| Endosulfan I | 5.47 | 1.00 | " | 8.88 | ND | 61.6 | 30-150 | 6.71 | 35 | |
| Endosulfan II | 5.91 | 2.00 | " | 8.88 | ND | 66.6 | 30-150 | 6.86 | 35 | |
| Endosulfan sulfate | 5.20 | 2.00 | " | 8.88 | ND | 58.6 | 30-150 | 9.00 | 35 | |
| Endrin | 7.40 | 2.00 | " | 8.88 | ND | 83.3 | 30-150 | 5.39 | 35 | |
| Endrin aldehyde | 4.25 | 2.00 | " | 8.88 | ND | 47.9 | 30-150 | 6.60 | 35 | |

North Creek Analytical - Bothell

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Jeff Gerdes, Project Manager

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Environmental Laboratory Network

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541.383.9310 fax 541.382.7588

Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Organochlorine Pesticides by EPA Method 8081A - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2G11024: Prepared 07/11/02 Using EPA 3550B

Matrix Spike Dup (2G11024-MSD1)

Source: B2G0130-01

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|----|------|--------|------|----|--|
| Heptachlor | 6.92 | 1.00 | ug/kg dry | 8.88 | ND | 77.9 | 40-129 | 2.71 | 35 | |
| Heptachlor epoxide | 5.68 | 1.00 | " | 8.88 | ND | 64.0 | 30-150 | 5.81 | 35 | |
| Methoxychlor | ND | 10.0 | " | 8.88 | ND | 76.6 | 30-150 | NA | 35 | |
| Surrogate: TCX | 4.78 | | " | 7.11 | | 67.2 | 28-128 | | | |
| Surrogate: Decachlorobiphenyl | 4.62 | | " | 7.11 | | 65.0 | 29-141 | | | |

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541.383.9310 fax 541.382.7588

Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch 2G11024: Prepared 07/11/02 Using EPA 3550B | | | | | | | | | | |
| Blank (2G11024-BLK1) | | | | | | | | | | |
| Aroclor 1016 | ND | 25.0 | ug/kg | | | | | | | |
| Aroclor 1221 | ND | 50.0 | " | | | | | | | |
| Aroclor 1232 | ND | 25.0 | " | | | | | | | |
| Aroclor 1242 | ND | 25.0 | " | | | | | | | |
| Aroclor 1248 | ND | 25.0 | " | | | | | | | |
| Aroclor 1254 | ND | 25.0 | " | | | | | | | |
| Aroclor 1260 | ND | 25.0 | " | | | | | | | |
| Aroclor 1262 | ND | 25.0 | " | | | | | | | |
| Aroclor 1268 | ND | 25.0 | " | | | | | | | |
| Surrogate: TCX | 4.77 | | " | 6.67 | | 71.5 | 49-114 | | | |
| Surrogate: Decachlorobiphenyl | 5.15 | | " | 6.67 | | 77.2 | 55-143 | | | |
| LCS (2G11024-BS2) | | | | | | | | | | |
| Aroclor 1016 | 77.3 | 25.0 | ug/kg | 83.3 | | 92.8 | 58-120 | | | |
| Aroclor 1260 | 67.5 | 25.0 | " | 83.3 | | 81.0 | 60-135 | | | |
| Surrogate: TCX | 5.20 | | " | 6.67 | | 78.0 | 49-114 | | | |
| Surrogate: Decachlorobiphenyl | 4.99 | | " | 6.67 | | 74.8 | 55-143 | | | |
| LCS Dup (2G11024-BSD2) | | | | | | | | | | |
| Aroclor 1016 | 84.8 | 25.0 | ug/kg | 83.3 | | 102 | 58-120 | 9.25 | 30 | |
| Aroclor 1260 | 74.4 | 25.0 | " | 83.3 | | 89.3 | 60-135 | 9.73 | 30 | |
| Surrogate: TCX | 4.96 | | " | 6.67 | | 74.4 | 49-114 | | | |
| Surrogate: Decachlorobiphenyl | 5.71 | | " | 6.67 | | 85.6 | 55-143 | | | |

North Creek Analytical - Bothell

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503.906.9200 fax 503.906.9210
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541.383.9310 fax 541.382.7588

Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2G17012: Prepared 07/17/02 Using Dry Weight

Blank (2G17012-BLK1)

| | | | | | | | | | | |
|------------|-----|------|---|--|--|--|--|--|--|--|
| Dry Weight | 100 | 1.00 | % | | | | | | | |
|------------|-----|------|---|--|--|--|--|--|--|--|

North Creek Analytical - Bothell

Jeff Gerdes, Project Manager

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Environmental Laboratory Network

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503.906.9200 fax 503.906.9210
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541.383.9310 fax 541.382.7588

Secor-Redmond
PO Box 230, 12034 - 134th Ct NE Ste 102
Redmond WA/USA, 98073

Project: Phillips 66 #256357
Project Number: Not Provided
Project Manager: Marc Sauze

Reported:
07/22/02 16:46

Notes and Definitions

A-01 Spike recovery is below the lower control limit for this analyte. Current control limits are used solely for guidance due to a limited number of data points available for deriving statistical control limits.

D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

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North Creek Analytical, Inc.
Environmental Laboratory Network

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TOSCO CHAIN OF CUSTODY REPORT B260130

| TOSCO INFORMATION | |
|----------------------------|--|
| Facility Number: | 256357 |
| Site Address: | 3323 Marine View Drive |
| City, State, ZIP: | Marysville, WA |
| Project/AWO Code | |
| Tosco Manager: | Tim Johnson |
| FACILITY TYPE: (check one) | <input checked="" type="checkbox"/> BP/☐ <input type="checkbox"/> Terminal/Bulk Plant <input type="checkbox"/> Brown Bear <input type="checkbox"/> Former 76 Site <input type="checkbox"/> Other |

| CONSULTANT INFORMATION | |
|------------------------|---------------------------------|
| Firm: | SECOR |
| Project# | |
| Address: | 12034 134 Ct. NE Redmond, WA |
| Phone: | (425) 372-1600 |
| Fax: | (425) 372-1656 |
| Project Manager: | M. Scuzel |
| E-mail: | |
| Sample Collection by: | K. McCarthy |

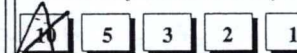
Quality Assurance Data Level:



A: Standard Summary






B: Standard + Chromatograms

Laboratory Turnaround Days:



10 Day - Standard

| SAMPLE IDENTIFICATION | SAMPLING DATE / TIME | MATRIX (W,S,O) | # OF CONTAINERS |
|-----------------------|----------------------|----------------|-----------------|
| 1. EX1-1 | 7/8/02 1400 | S | 1 |
| 2. EX1-2 | ↓ 1405 | ↓ | ↓ |
| 3. SPI-1 | ↓ 1410 | ↓ | ↓ |
| 4. SPI-2 | ↓ 1415 | ↓ | ↓ |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

| <input type="radio"/> OR | <input type="radio"/> WA | <input type="radio"/> AK | <input checked="" type="radio"/> NW Series | <input type="radio"/> ID |
|---------------------------------|--|-------------------------------------|--|--------------------------|
| TPH-HCID | | | | |
| TPH-Gas | | | | |
| BTEX | | | | |
| EPA 8021 Mod. | | | | |
| TPH-Gas + BTEX | | | | |
| TPH-Diesel | | | | |
| TPH-Diesel Extended |  | <input checked="" type="checkbox"/> | | |
| TPH-Diesel-Ext. w/SG Cleanup | | | | |
| Halogen. Volatiles EPA 8021 |  | <input checked="" type="checkbox"/> | | |
| Pesticides/PCBs or PCBs Only |  | <input checked="" type="checkbox"/> | | |
| GC/MS Volatiles EPA 8260 | | | | |
| GC/MS Semi'Vols. EPA 8270 | | | | |
| PAH's: 8270 SIM or 8310 | | | | |
| Lead: Total or Dissolved |  | <input checked="" type="checkbox"/> | | |
| TCLP or RCRA Metals (8) |  | <input checked="" type="checkbox"/> | | |
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NCA SAMPLE NUMBER

B260130 - 01
02
03
04

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|------------------|-------|-------------|--------------|-------|-------------|
| Relinquished by: | Firm: | Date & Time | Received by: | Firm: | Date & Time |
| K. McCarthy | SECOR | 7/8/02 | J. Scuzel | NCA | 7/8/02 1515 |
| 2. | | | | | |
| 3. | | | | | |

Comments:

ATTACHMENT C

FIELD NOTES

Field Staff: K. McCarthy
Contractor: ESC

Hand-drawn site plan of a proposed development on a grid. The plan shows a large rectangular building (44' x 27') with four internal rooms, a smaller building (40' x 4') to its left, and a long narrow building (45' x 7') to its right. A parking area with 30 spaces is located between the buildings. A road labeled 'I-5' runs horizontally across the bottom, with an 'Off-Ramp' indicated. A 'Marine View Dr.' is shown on the left. A north arrow points towards the bottom right. Dimensions are provided for various structures and setbacks. A 'P. Pond' is located near the bottom left. A '3 P. Bays' area is shown at the top right. A '7' x 8' area' is marked at the bottom right.

1400 - Take samples from bottom of EX1 at 8.5' deep.
1410 - Take 2 stockpile samples

1435 - Prepare to test samples taken in zip-lock baggies
from SPT, EX1

| | PID | Sheen | Odor |
|-------|-----|-------|------|
| SPT-1 | 0.0 | N | N |
| SPT-2 | 0.0 | N | N |
| EX1-1 | 0.0 | N | N |
| EX1-2 | 0.0 | N | N |

PID readings taken w/ HANNA PID w/ 100 ppm cal. gas

1440 - No apparent signs of contamination.

Soil is light brown silty sand w/ trace of subang. to subprod.
gravel. no plasticity, moist

1450 - Finish field notes, clean up; decont.

ATTACHMENT D
SOIL SAMPLING PROCEDURES

SOIL SAMPLING PROCEDURES

SOIL SAMPLE COLLECTION

Soil samples were collected at selected locations and in accordance with the frequency and locations recommended in the Washington State Department of Ecology document '*Guidance for Site Checks and Site Assessments for Underground Storage Tanks*' Revised October 1992.

A log was compiled during soil sampling, including descriptions of the soil types, color, texture, degree of consolidation, and moisture content. Soil types were based on the Unified Soil Classification System.

FIELD SCREENING OF SOIL SAMPLES

Soil samples were field screened for visual or olfactory indications of petroleum hydrocarbons, tested for sheen by water immersion, and tested for headspace vapor concentrations using a portable photoionization detector (PID).

Data generated from field screening instruments were considered qualitative in nature. Although semi-quantitative data are generated using a PID, the results cannot be relied upon with the confidence of a laboratory analysis. Data generated from this type of analysis may provide the following:

- Identification of soil, water, air, and waste locations that have a high likelihood of showing contamination through subsequent laboratory analysis.
- Real-time data used for health and safety consideration during site reconnaissance and subsequent intrusive activities.
- Quantitative data, if contaminant is known and the instrument is calibrated to that substance.

FIELD SCREENING USING VAPOR HEADSPACE TESTING

The instrument used for headspace vapor testing was a MiniRAE® Plus PID. Prior to use, this instrument was calibrated to a known isobutylene calibrating standard (100 parts per million [ppm]), in accordance with the manufacturer's specifications.

The following sequential steps were completed for each sample analyzed:

- A representative portion of the soil sample was collected directly from exposed soils into a new, sealable Ziploc-type plastic bag. The bag was immediately sealed.
- The sealed bag with sample was allowed to sit at field ambient temperature for several minutes.
- One end of the bag seal was slightly opened and the intake port of a PID was carefully inserted through the opening.
- The stabilized numerical value was observed and recorded onto the boring log form.

This number does not represent a concentration of volatiles in ppm; it is a relative measure of the amount of ionized compounds present. As the exact chemical species present is unknown, the units of concentration are referred to as ppm of isobutylene.

Vapor headspace screening is only applicable as a screening method for the presence of ionizable compounds with first ionization potentials of less than 10.6 electron volts. In addition, variables that may affect measurable concentrations and unaccounted for in this procedure include, but are not limited to: temperature, soil moisture content, and soil organic content. Vapor headspace screening is not designed for screening for evidence of contamination by semi-volatile or non-volatile organic compounds or for the presence of elemental metals or compounds.

EQUIPMENT CALIBRATION AND MAINTENANCE

All instruments and equipment used during this project were operated, calibrated, and maintained according to the manufacturers' guidelines and recommendations. Operation, calibration, and maintenance were performed by personnel who have been properly trained in these procedures.

Field screening instruments used were appropriate for detection of petroleum hydrocarbons such as benzene, toluene, and xylenes. Instruments were calibrated and maintained according to manufacturers' instructions.

7

ATTACHMENT E
SOIL RECYCLING RECEIPT

MER JOB DETAIL:

Amethyst©

TPS Technologies, Inc.

Customer Job Report

Weight Codes: M=Manual; S=Scale; T=Truck File

| Job # | Name | Address | City | State | ZIP |
|------------|--------------------|----------------------|------------|-------|-------|
| A03 - 3934 | TOSCO SITE #256357 | 3323 MARINE VIEW DR. | MARYSVILLE | WA | 00000 |

| Load# | Date/Time Out | Transporter# | Truck/Trailer# | Gross (lb) | Tare (lb) | Net (lb) | Net Wt (tons) |
|-------|---------------------|--------------|----------------|---------------|--------------|-------------|------------------|
| 1 | 07-29-2002 15:14:39 | 3INTWST | ROBERT | 80,140.00M | 40,800.00M | 39,340.00 | 19.67 |

| Completed Loads | Manifests Recv. | Completed Weight | Estimated Weight | TOTAL Net Wt. |
|-----------------|-----------------|------------------|------------------|---------------|
| 0.00% | 0 | 0.00% | 30.00(tons) | 19.67(tons) |